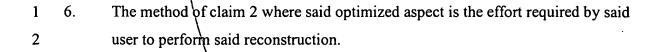
CLAIMS

What is claimed is:

	1	1.	A method for improving network efficiency of document transmission from a			
	2		content server to a user, comprising the steps of:			
	3		(a) at a condenser located between a content server and a user connected to			
	4		said content server over a network:			
b	\ 5		(i) receiving a user's request for a document,			
	6		(ii) said requested document being referencable with respect to a base			
10	7		document associated with a class;			
	8		(b) automatically obtaining said class;			
	9		(c) automatically obtaining said base document associated with said class;			
	10		(d) creating a condensed document by abbreviating redundancy in said			
	11		requested document relative to said base document; and			
	12		(e) transmitting said condensed document to said user to enable said user to			
	13		reconstruct said requested document.			
	1	2.	The method of claim 1 where said obtained class in said step (b) allows			
	2		substantial optimization of an aspect of at least one of said steps (d) and (e).			
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	1	3.	The method of claim 2 where said optimized aspect is a size of said condensed			
	2		document.			
	1	4.	The method of claim 2 where said optimized aspect is the computational effort			
	2		required to create said condensed document			
	1	5.	The method of claim 2 where said optimized aspect is a time of transmission of			
	2		said condensed document to said user.			
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- The method of claim 1 where said step (b) of obtaining said class includes selecting said obtained class from a plurality of preexisting classes.
- 1 8. The method of claim 7 where said selecting of said class occurs in accordance with meeting a minimum acceptability threshold.
- 1 9. The method of claim 7 where said selecting of said class occurs in accordance with meeting an optimization standard.
- 1 10. The method of claim 7 where said selected class minimizes the sum of differences between said selected class and others of said preexisting classes.
- 1 11. The method of claim 1 where said step (b) of obtaining said class includes creating a new class.
- 1 12. The method of claim 1 where said obtained base document in said step (c) allows 2 a substantial optimization of an aspect of at least one of said steps (d) and (e).
- 1 13. The method of claim 1 where said base document exhibits an enhanced suitability
 2 to be a reference for multiple future document requests by virtue of being a
 3 function of many past document requests.
- 1 14. The method of claim 1 where said created base document includes a plurality of frequently requested components from documents associated with said obtained class.
- 1 15. The method of claim 1 further comprising the step of sending said base document to said user for use in said reconstruction.

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- 1 16. The method of claim 1 wherein said base document for use in said reconstruction is preexisting at said user.
- 1 17. The method of claim 1 further comprising the step of replacing said base document with a new base document.
 - 18. The method of claim\1 where said base document is substantially anonymous with respect to any user.
- 1 19. The method of claim 1 where said base document substantially lacks content which is confidential to any particular user.
- 1 20. The method of claim 1 where said request includes identifiers of said user and said requested document.
- 1 21. The method of claim 20 where said document identifier includes a network location thereof.
- 1 22. The method of claim 1 where said base document has not necessarily been previously requested by said user.
- A computer-readable storage medium encoded with processing instructions for implementing a method for improving network efficiency of document transmission from a content server to a user, said processing instructions for directing a computer to perform the steps of:
- 5 (a) (i) receiving a user's request for a document,
- 6 (ii) said requested document being referencable with respect to a base document associated with a class;
- 8 (b) automatically obtaining said class;
- 9 (c) automatically obtaining said base document associated with said class;

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(d)

(e)

substantially lacks content which is confidential to any particular user.

The computer-readable storage medium of claim 23 where said base document

creating a condensed document by abbreviating redundancy in said

transmitting said condensed document to said user to enable said user to

requested document relative to said base document; and

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1	31.	The computer-readable storage medium of claim 23 where said base document					
2		has not necessarily been previously requested by said user.					
1	32.	A condenser located between, and configured to improve network efficiency of					
2		document transmission between, a content server and a user, comprising:					
3		(a) an input interface configured to receive a request from a user for a					
4		document,					
_5		(i) said requested document being referencable with respect to a base					
ø		document associated with a class;					
7		(b) a class tracking module configured to automatically obtain said class;					
8		(c) a document database configured to automatically obtain and provide said					
9		base document associated with said class;					
10		(d) a condensation engine configured to create a condensed document by					
11		abbreviating redundancy in said requested document relative to said base					
12		document; and					
13		(e) an output interface configured to ransmit said condensed document to					
14		said user to enable said user to reconstruct said requested document.					
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1	33.	The condenser of claim 32 deployed on the same network domain as said content					
2		server.					
		\.\.					
1	34.	The condenser of claim 32 where said base document has not necessarily been					
2		previously requested by said user.					
1	35.	A system for efficient document transmission between a content server and a user,					
2		comprising: (a) the condenser of claim 32; and (b) at least one content server					
3		containing said requested document of claim 32.					
1 2	36.	A condenser for improving downstream network efficiency, said condenser comprising:					
3		Comprising.					
4		(1) a processor;					

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	6 7		(2)	a memory connected to said processor storing a program to control the operation of said processor;
	8			Toporation of said processor,
	9		(3)	the processor operative with said program in said memory to:
	10			(a) (i) receive a user's request for a document,
	11			(ii) said requested document being referencable with respect to
	12			a base document associated with a class;
ilb `	13			(b) automatically obtain said class;
af	1/4			(c) automatically obtain said base document associated with said class;
. V	(15			(d) create a condensed document by abbreviating redundancy in said
	16			requested document relative to said base document; and
	17			(e) transmit said condensed document to said user to enable said user
Ŋ	18			to reconstruct said requested document.
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14	1	37.	A met	hod for preparing and transmitting a document from a content server to a
n	2		user, o	comprising the steps of:
rancone nuce	3		(a)	receiving a request for a dynamic document to be sent to a user;
14)	4		(b)	obtaining an updated version of the requested document;
	5		(c)	searching a class database to determine whether the requested document
70	6			can be a member of any of a hlurality of current classes;
LJ. CJ.	7		(d)	determining at least one of said classes to serve as a reference for said
. 4	8		•	requested document;
٠.	9		(e)	extracting a base document assodiated with said reference class;
	10		(f)	generating a condensed document reflecting the difference between said
	11			requested document and said class base file by performing a delta-
	12			encoding process; and
	13		(g)	transmitting said condensed document to said requester.
	1	38.	The m	nethod of claim 37 where:
	2		(i)	it is determined in said step (c) that the requested document cannot be a
	3			member of any current class;

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- (ii) creating a new class based upon the requested document; and
- (iii) storing the requested document in the class database as a base document for that class.
- 1 39. The method of claim 37 where said base document has not necessarily been previously requested by said user.